



Overview

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MEaSUREs



Through the MEaSUREs Program (Making Earth Science Data Records for Use in Research Environments) NASA is continuing its commitment to expand understanding of the Earth system using consistent data records.

Emphasis is placed into linking together multiple satellites into a constellation, developing the means of utilizing a multitude of data sources to form coherent time series, and facilitating the use of extensive data in the development of comprehensive Earth system models.



MEaSUREs



Datasets that result from the MEaSUREs Projects have been assigned to reside at various NASA Earth science data centers for data management.

Datasets from seven MEaSUREs projects have been assigned to the Goddard Earth Sciences Data and Information Services Center (GES DISC).

For MEaSUREs datasets, the goal of the DISC is to provide complete data management services for these datasets, as it does for all resident data holdings, in collaboration with the MEaSUREs PIs.



Preparations for MEaSUREs Datasets



GES DISC will be responsible for archiving approved datasets generated by 7 MEaSUREs PIs:

PI		Start Date	End Date	Title
Chung-Lin Shie		12-May-08	11-May-11	Reprocessing of Goddard Satellite-based Surface Turbulent Fluxes (GSSTF) Data Set for Global Water and Energy Cycle Research
Richard McPeters		15-Jan-08	15-Jan-13	Creating a Long Term Multi-Sensor Ozone Data Record
Lucien Froidevaux		15-Mar-08	15-Mar-13	GOZCARDS: Global OZone Chemistry And Related trace gas Data records for the Stratosphere
Jay Herman		15-Mar-08	15-Mar-13	Earth Surface and Atmospheric Reflectivity Since 1979 from Multiple Satellites (TOMS, SBUV, SBUV-2, OMI, SeaWiFS, NPP, and NPOESS)
Christina Hsu		1-Apr-08	1-Apr-13	Consistent Long-term Aerosol Data Records over Land and Ocean from SeaWiFS
Eric Fetzer		15-May-08	15-May-13	A Multi-Sensor Water Vapor Climate Data Record Using Cloud Classification
Eric Wood		15-Jun-08	15-Jun-13	Developing consistent Earth System Data Records for the global terrestrial water cycle



Preparations for MEaSUREs Datasets



- Kick off for GES DISC support of MEaSUREs data: April 29-30, 2009
- GES DISC has developed a 'Checklist for Supporting MEaSUREs Datasets and Services'
- Checklist shared with ESDIS for potential use at other data centers and MEaSUREs PIs



Preparation for MEaSUREs Data Sets



- Approach
 - Collect information on each data set
 - data volume, parameters, services, user community
 - Identify requisite data system capabilities
 - Establish implementation schedule
 - Ingest data and information into the data system
 - Advertise data availability, support user community
- Timeline
 - Discussions begin now with MEaSUREs PIs
 - Work commences in earnest in CY10



Preparations for MEaSURES Datasets



- **GES DISC Tour for MEaSURES PIs**